

TRIBOCOMP® PPS GF30 TS0

Polyphenylene Sulfide

EPIC Polymers

Message:

TRIBOCOMP® PPS GF30 TS0 is a polyphenylene sulfide (PPS) product, which contains fillers of 15% ptfe fiber and 30% glass fiber reinforcement. It is available in Europe.

Features include:

flame retardant/rated flame

Lubrication

General Information			
Filler / Reinforcement	PTFE fiber, 15% filler by weight		
	Glass fiber reinforced material, 30% filler by weight		
Additive	PTFE lubricant (15%)		
Forms	Particle		
Physical	Nominal Value	Unit	Test Method
Density	1.68	g/cm ³	ISO 1183
Molding Shrinkage - Flow	0.40	%	ISO 294-4
Water Absorption			ISO 62
Saturated, 23°C	0.020	%	ISO 62
Equilibrium, 23°C, 50% RH	0.010	%	ISO 62
Mechanical	Nominal Value	Unit	Test Method
Tensile Modulus			ISO 527-2
23°C	12100	MPa	ISO 527-2
90°C	9600	MPa	ISO 527-2
120°C	4800	MPa	ISO 527-2
Tensile Stress			ISO 527-2
Fracture, 23°C	150	MPa	ISO 527-2
Fracture, 90°C	110	MPa	ISO 527-2
Fracture, 120°C	60.0	MPa	ISO 527-2
Tensile Strain (Break)	2.0	%	ISO 527-2
Flexural Modulus (23°C)	11500	MPa	ISO 178
Flexural Stress (23°C)	210	MPa	ISO 178
Coefficient of Friction ¹			ASTM D3702
Dynamic	0.19		ASTM D3702
Static	0.17		ASTM D3702
Wear Factor (23°C)	90.0		ASTM D3702
Impact	Nominal Value	Unit	Test Method
Charpy Notched Impact Strength (23°C)	10	kJ/m ²	ISO 179
Charpy Unnotched Impact Strength (23°C)	40	kJ/m ²	ISO 179

Thermal	Nominal Value	Unit	Test Method
Heat Deflection Temperature			
0.45 MPa, not annealed	275	°C	ISO 75-2/B
1.8 MPa, not annealed	260	°C	ISO 75-2/A
CLTE - Flow (23°C)	3.0E-5	cm/cm/°C	ISO 11359-2
Thermal Conductivity	0.31	W/m/K	ISO 8302
Electrical	Nominal Value	Unit	Test Method
Surface Resistivity	1.0E+15	ohms	ASTM D257
Dielectric Strength (2.00 mm)	25	kV/mm	IEC 60243-1
Comparative Tracking Index	125	V	IEC 60112
Flammability	Nominal Value	Unit	Test Method
Flame Rating (1.60 mm)	V-0		UL 94
Additional Information			
The value listed as Molding Shrinkage ISO 294-4, was tested in accordance with S.O.P. methods.			
NOTE			
1.	23°C		

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: sales@su-jiao.com

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

